

# JUNIT - PLUG WITH ECLIPSE

[http://www.tutorialspoint.com/junit/junit\\_plug\\_with\\_eclipse.htm](http://www.tutorialspoint.com/junit/junit_plug_with_eclipse.htm)

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To setup JUnit with eclipse following steps need to be followed

## Step 1: Download Junit archive

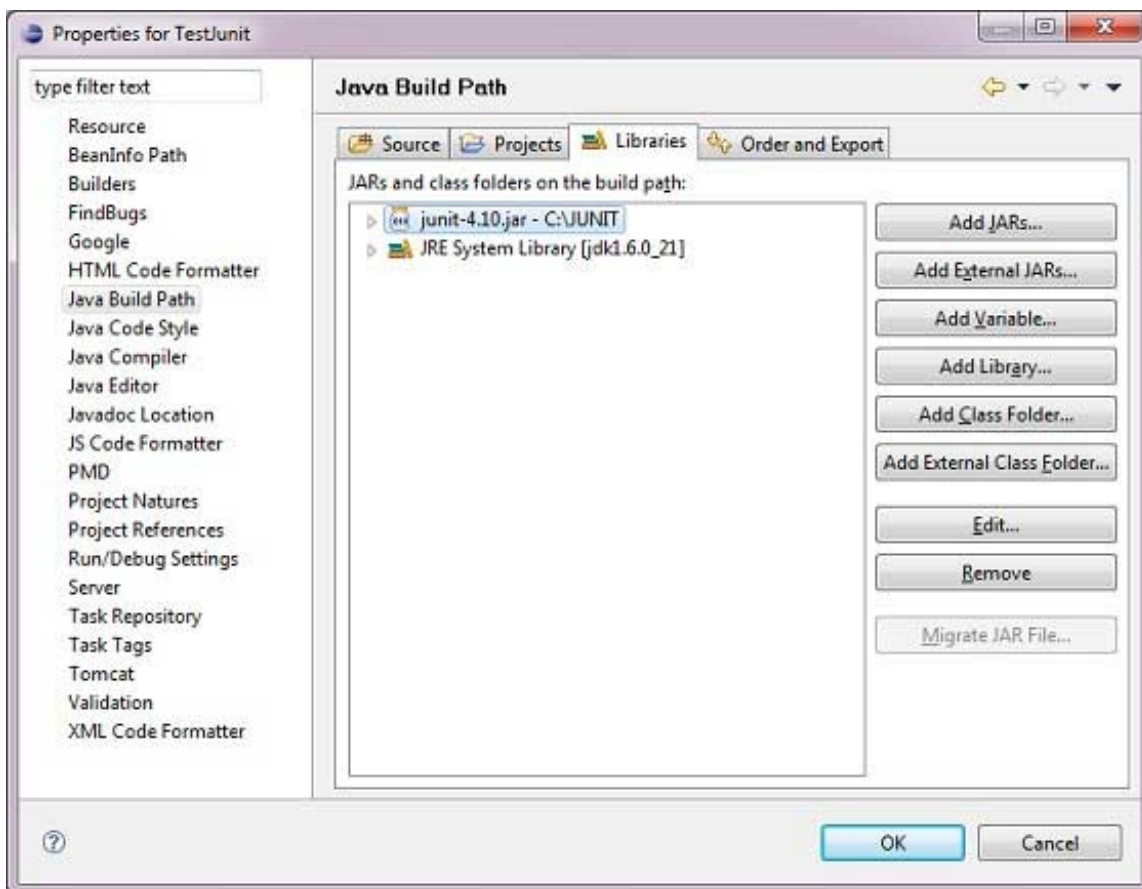
Download [JUnit](#)

OS	Archive name
Windows	junit4.10.jar
Linux	junit4.10.jar
Mac	junit4.10.jar

Assume you copied above JAR file in C:\>JUnit folder.

## Step 2: Set Eclipse environment

- Open eclipse -> right click on project and click on property > Build Path > Configure Build Path and add the junit-4.10.jar in the libraries using *Add External Jar* button.



- We assume that your eclipse has inbuilt junit plugin if it is not available in C:\>eclipse/plugins directory, then you can download it from [JUnit Plugin](#). Unzip the downloaded zip file in the plugin folder of the eclipse. Finally

restart eclipse.

Now your eclipse is ready for the development of JUnit test cases.

### Step 3: Verify Junit installation in Eclipse

- Create a project TestJunit in eclipse at any location.
- Create a class MessageUtil to test in the project

```
/*
 * This class prints the given message on console.
 */
public class MessageUtil {

    private String message;

    //Constructor
    //@param message to be printed
    public MessageUtil(String message) {
        this.message = message;
    }

    // prints the message
    public String printMessage() {
        System.out.println(message);
        return message;
    }
}
```

- Create a test class TestJunit in the project

```
import org.junit.Test;
import static org.junit.Assert.assertEquals;

public class TestJunit {

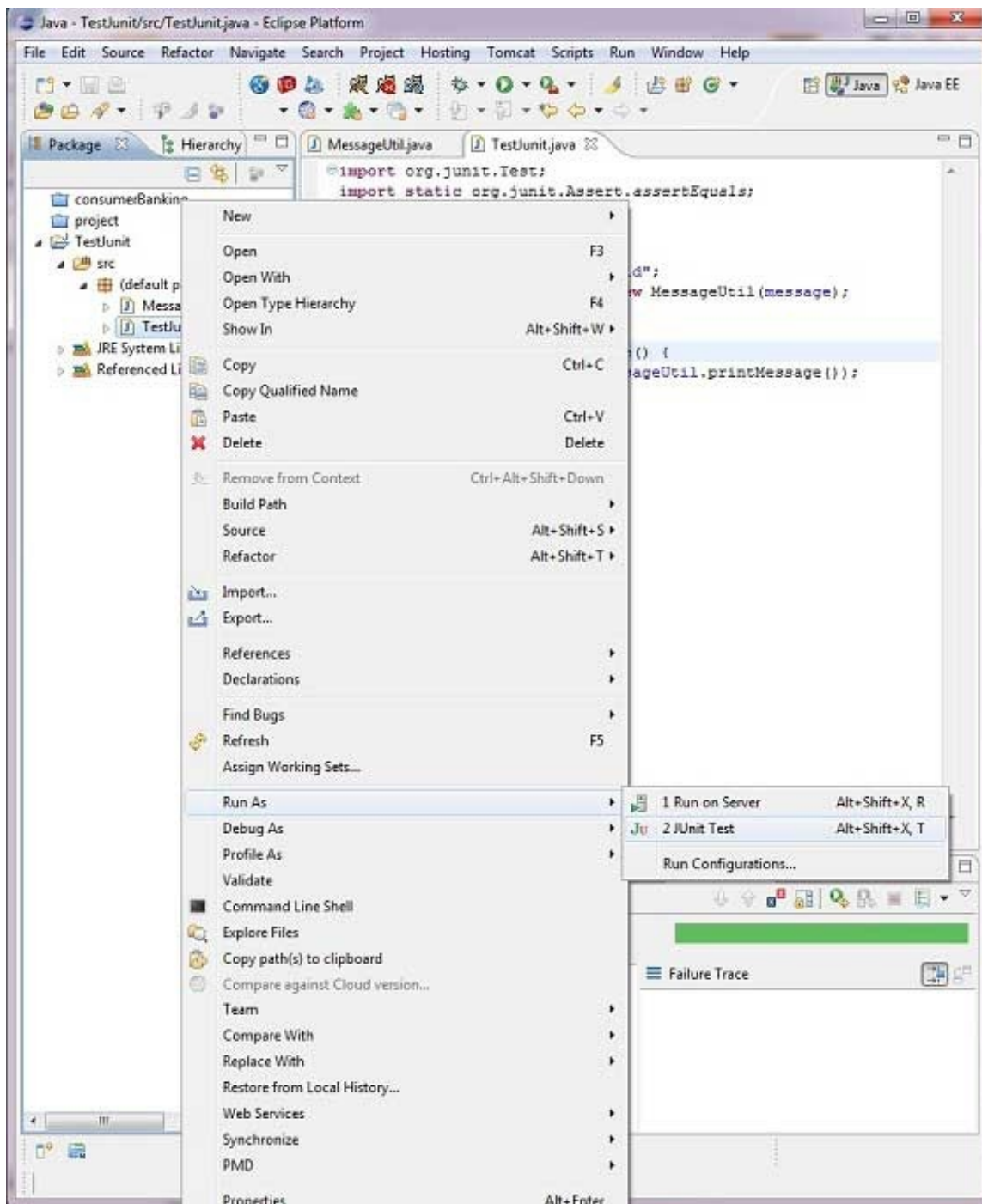
    String message = "Hello World";
    MessageUtil messageUtil = new MessageUtil(message);

    @Test
    public void testPrintMessage() {
        assertEquals(message,messageUtil.printMessage());
    }
}
```

Following should be the project structure



Finally, verify the output of the program by right click on program and run as junit



Verify the result

